

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Allium ampeloprasum*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	ALANINE	Plant	--	--		
21	ALLIIN	Plant	--	--		
7	ALLYL-SULFIDE	Plant	--	--		
32	ALPHA-TOCOPHEROL	Plant	--	--		
14	ARGININE	Plant	--	--		
112	ASCORBIC-ACID	Leaf	170	3019	-0.163795366917682	
112	ASCORBIC-ACID	Root	170	1241	0.06343722613033131	
112	ASCORBIC-ACID	Flower	400	2367	-0.10607508542239547	
2	ASPARAGINE	Plant	--	--		
3	ASPARTIC-ACID	Plant	--	--		
53	BETA-CAROTENE	Flower	25	151	1.7145235700805992	
53	BETA-CAROTENE	Leaf	0.2	230	-0.13630145086250064	
53	BETA-CAROTENE	Root	0.2	1.8	-0.4249125898665059	
47	BETA-SITOSTEROL	Plant	--	--		
102	CAFFEIC-ACID	Plant	--	--		
28	CALCIUM	Leaf	520	5472	-0.8858802655048249	
28	CALCIUM	Flower	230	1361	-1.2199068284592132	
28	CALCIUM	Root	520	3796	-0.39501015744951196	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	CATALASE	Plant	--	--		
1	CELLULOSE	Plant	--	--		
77	CHLOROGENIC-ACID	Plant	--	--		
3	CYCLOALLIIN	Plant	--	--		
1	DEOXYRIBONUCLEIC-ACID	Plant	--	--		
25	DIALLYL-SULFIDE	Plant	--	--		
2	DIMETHYL-DISULFIDE	Plant	--	--		
30	ESCULETIN	Plant	--	--		
61	FERULIC-ACID	Plant	--	--		
15	FIBER	Flower	11000	65000	-0.8143354323077572	
15	FIBER	Leaf	10000	94000	-0.83514673367971	
15	FOLACIN	Plant	--	--		
8	FRUCTOSE	Plant	--	--		
1	GALACTOSE	Plant	--	--		
7	GLUCOSE	Plant	--	--		
8	GLUTAMIC-ACID	Plant	--	--		
5	GLUTAMINE	Plant	--	--		
7	HISTIDINE	Plant	--	--		
6	IRON	Root	11	80	-0.32542996609415403	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	IRON	Flower	9	53	-0.7544988871341379	
6	IRON	Leaf	11	255	-0.2742200720912281	
4	ISOCHLOROGENIC-ACID	Plant	--	--		
3	ISOLEUCINE	Plant	--	--		
2	LEUCINE	Plant	--	--		
13	LIGNIN	Plant	--	--		
1	LIGNOCERIC-ACID	Plant	--	--		
27	LINOLEIC-ACID	Plant	--	--		
4	LYSINE	Plant	--	--		
2	MALTOSE	Plant	--	--		
18	MANNITOL	Plant	--	--		
15	METHIONINE	Plant	--	--		
39	NIACIN	Flower	9	53	-0.40857249469813267	
39	NIACIN	Leaf	5	57	-0.49263472226862703	
11	NICOTINIC-ACID	Plant	--	--		
2	ODORIN	Plant	--	--		
9	OXALIC-ACID	Plant	--	--		
25	P-COUMARIC-ACID	Plant	--	--		
13	PALMITIC-ACID	Plant	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	PHENYLALANINE	Plant	--	--		
4	PHOSPHORUS	Flower	380	2249	-0.614081916695989	
4	PHOSPHORUS	Leaf	480	4528	-0.08158986125272383	
4	PHOSPHORUS	Root	500	3650	0.02323881179787081	
30	POLYPHENOLS	Plant	--	--		
14	POTASSIUM	Leaf	3160	29811	-0.02353948514617351	
2	QUERCETIN-3'-GLUCOSIDE	Plant	--	--		
1	RAFFINOSE	Plant	--	--		
15	RIBOFLAVIN	Flower	1.9	11.2	1.171289093809103	
15	RIBOFLAVIN	Leaf	0.6	9.4	-0.13379915842441997	
3	RIBONUCLEIC-ACID	Plant	--	--		
5	SAPONINS	Plant	--	--		
44	SCOPOLETIN	Plant	--	--		
1	SERINE	Plant	--	--		
9	SINAPIC-ACID	Plant	--	--		
1	SODIUM	Leaf	50	472	-0.563454454383069	
1	STACHYOSE	Plant	--	--		
8	STEARIC-ACID	Plant	--	--		
14	SUCROSE	Plant	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
14	SULFUR	Leaf	600	700	-0.9714371042032756	
31	THIAMIN	Flower	1.4	8.3	0.8756075364489447	
31	THIAMIN	Leaf	0.9	8.5	0.040709776991307144	
31	THIAMIN	Root	1.1	8	0.11791616274938575	
4	THREONINE	Plant	--	--		
29	TRYPTOPHAN	Plant	--	--		
8	TYROSINE	Plant	--	--		
22	UMBELLIFERONE	Plant	--	--		
3	VALINE	Plant	--	--		
77	ZINC	Plant	--	--		